

What is claimed is:

1. A driver of an electric compressor for driving a motor which drives a compressing mechanism that sucks fluid, then compresses and discharges the fluid, wherein the driver controls such that a current-phase of winding of the motor is advanced uniquely with respect to an induction voltage-phase generated in the winding at start of driving the compressor, then the advancement of the current-phase is reduced.

2. The driver of claim 1 controls such that the advancement of the current-phase is reduced at one of when a given time passes and when the motor reaches a given rpm.

3. The driver of claim 1 draws instantaneous maximum torque of the motor depending on the advancement of the current-phase of the winding.

4. The driver of claim 1 switches a dc voltage supplied from a dc power supply for outputting an ac in sine-waveform to a sensor-less dc brush-less motor, and detects a current flowing through a stator winding for determining a position of a rotor, having a permanent magnet, of the sensor-less dc brush-less motor, so that the switching of the dc voltage is controlled.

5. The driver of claim 4, wherein the switching is done in three-phase modulation.

6. The driver of any one of claim 1 through claim 5 is mounted to a car air-conditioner.